

Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
 Data File : BE094681.D
 Acq On : 1 Nov 2017 4:53
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 01 09:13:44 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 08:49:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1306	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7692	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4170	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9093	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9421	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	8899	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	4865	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	11188	0.41	ng/ul	0.00

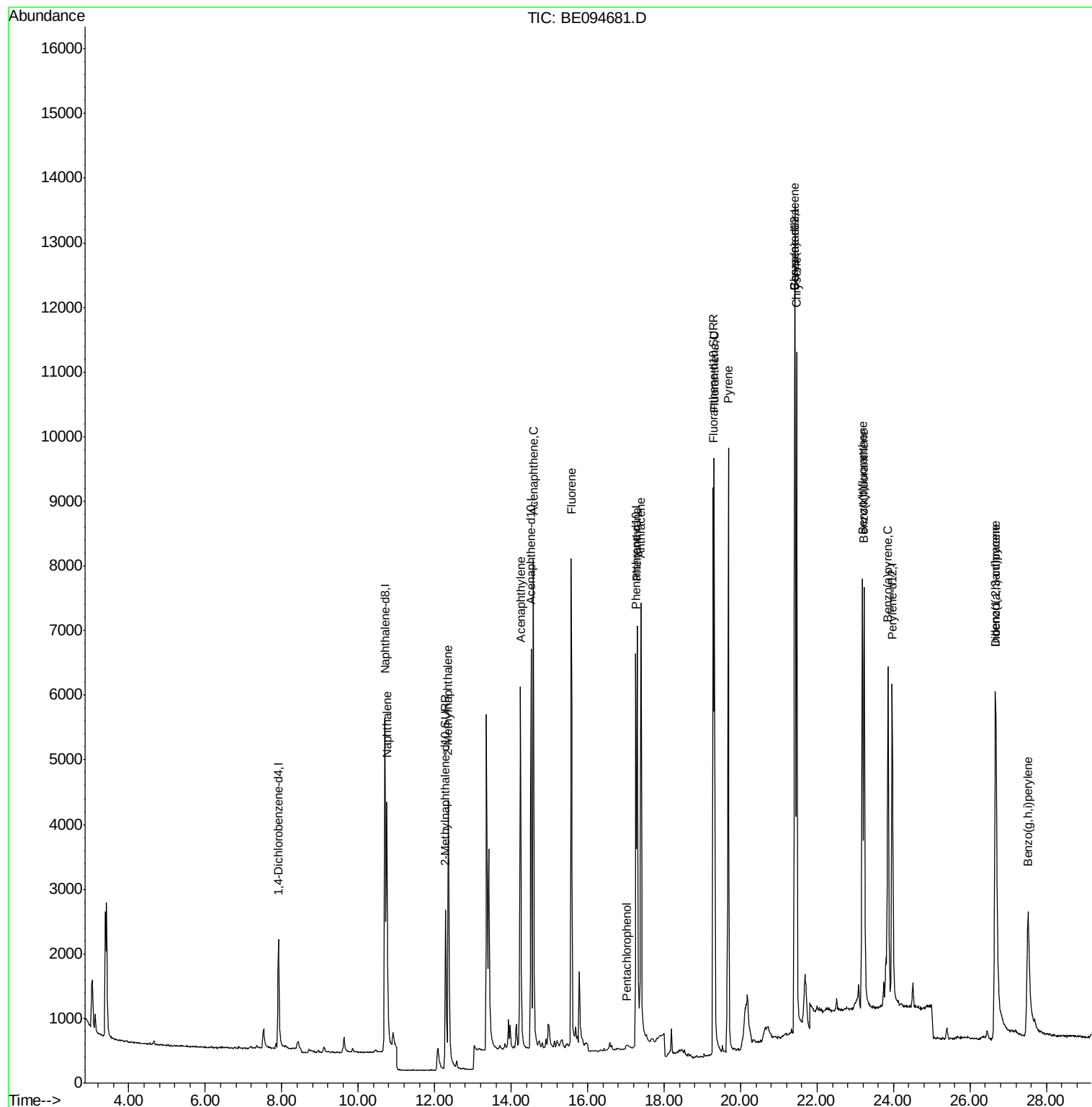
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	7304	0.39	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	5095	0.39	ng/ul	98
7) Acenaphthylene	14.24	152	7681	0.41	ng/ul	97
8) Acenaphthene	14.58	153	5407	0.40	ng/ul	97
9) Fluorene	15.57	166	6148	0.40	ng/ul	93
11) Pentachlorophenol	17.01	266	171	0.38	ng/ul#	84
12) Phenanthrene	17.29	178	9858	0.41	ng/ul#	86
13) Anthracene	17.39	178	9548	0.40	ng/ul#	93
15) Fluoranthene	19.31	202	11348	0.41	ng/ul	84
17) Pyrene	19.68	202	12104	0.42	ng/ul#	81
18) Benzo(a)anthracene	21.41	228	11206	0.42	ng/ul#	87
19) Chrysene	21.46	228	10860	0.39	ng/ul	98
21) Benzo(b)fluoranthene	23.19	252	10305	0.41	ng/ul	90
22) Benzo(k)fluoranthene	23.23	252	10653	0.40	ng/ul	92
23) Benzo(a)pyrene	23.86	252	10146	0.41	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.67	276	9140	0.35	ng/ul#	83
25) Dibenzo(a,h)anthracene	26.67	278	7985	0.37	ng/ul	93
26) Benzo(g,h,i)perylene	27.52	276	6702	0.32	ng/ul	94

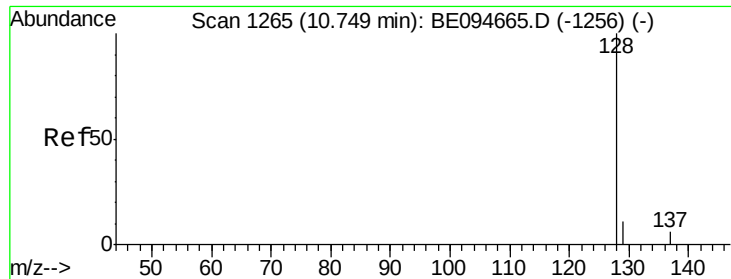
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

Instrument :

BNA_E

ClientSampleId :

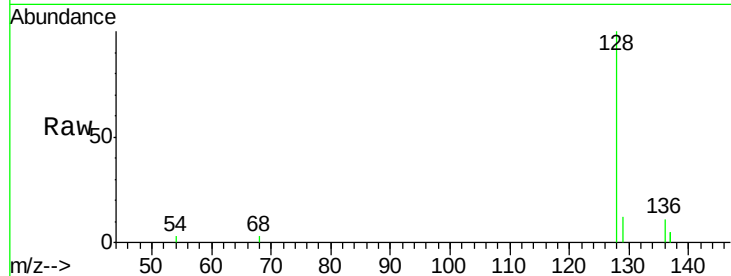
Tot Ion:128 Resp: 7304

Ion Ratio Lower Upper

128 100

129 12.3 11.3 16.9

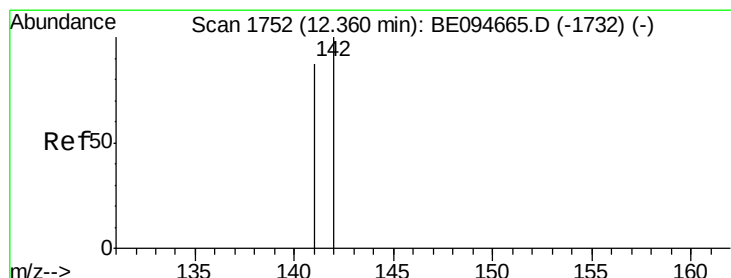
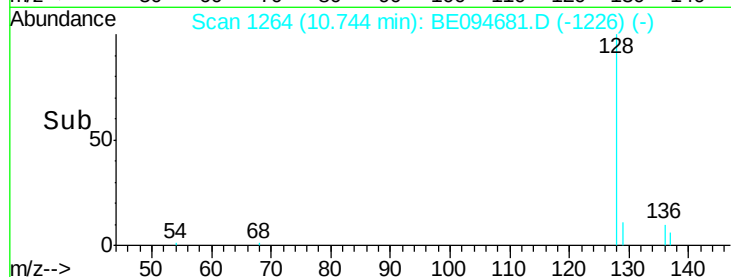
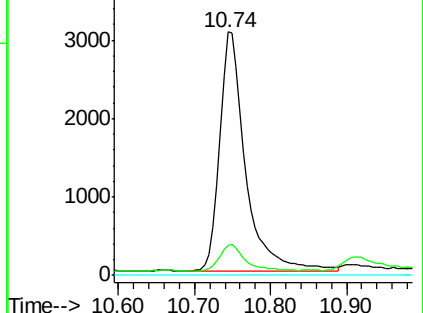
127 0.0 4.0 6.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE094681.D

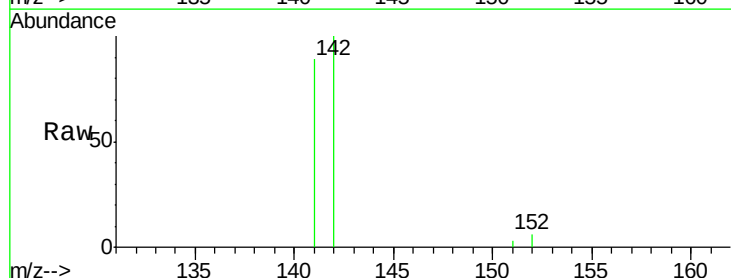
Acq: 1 Nov 2017 4:53

Tgt Ion:142 Resp: 5095

Ion Ratio Lower Upper

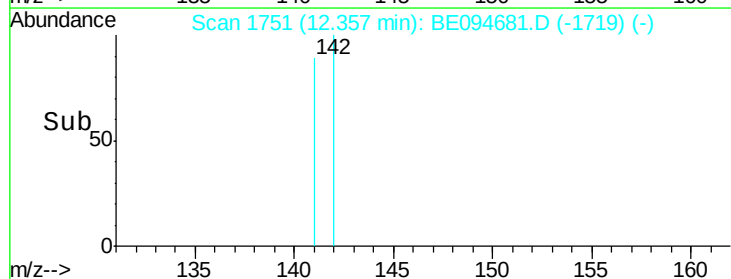
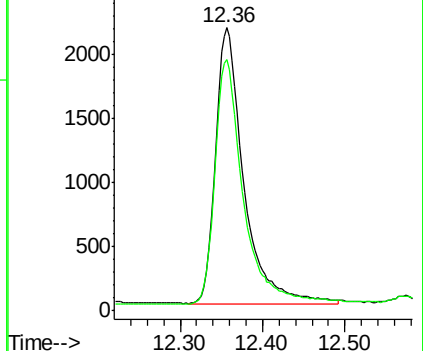
142 100

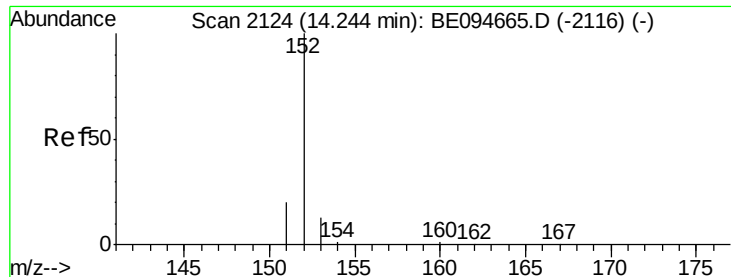
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

Instrument :

BNA_E

ClientSampled :

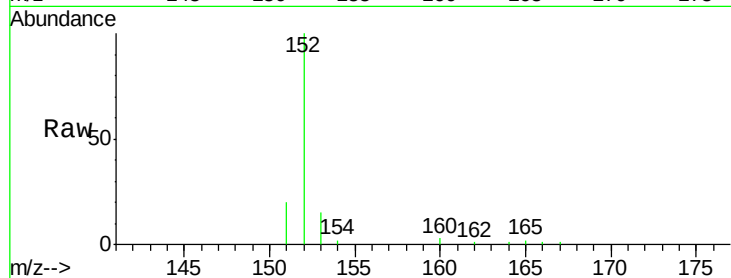
Tot Ion:152 Resp: 7681

Ion Ratio Lower Upper

152 100

151 20.3 17.1 25.7

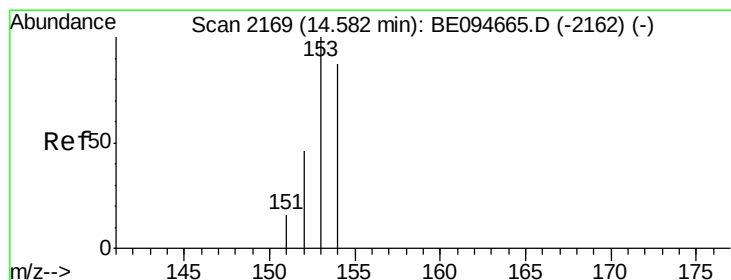
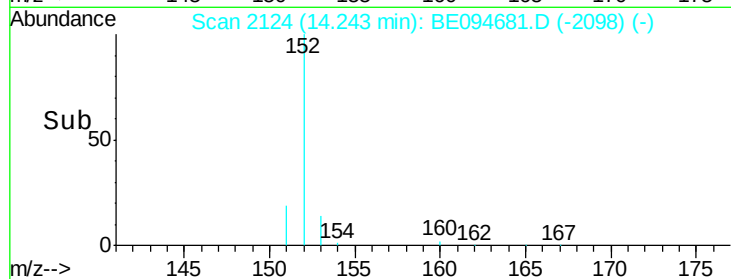
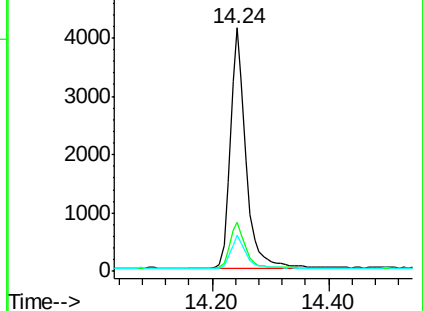
153 14.7 12.8 19.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.40 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

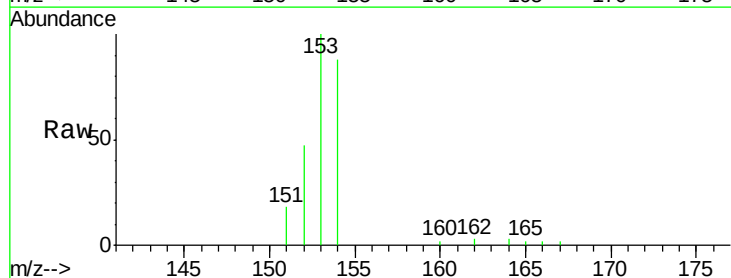
Tgt Ion:153 Resp: 5407

Ion Ratio Lower Upper

153 100

152 47.1 36.0 54.0

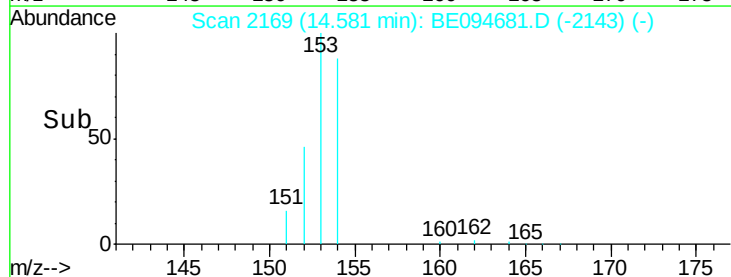
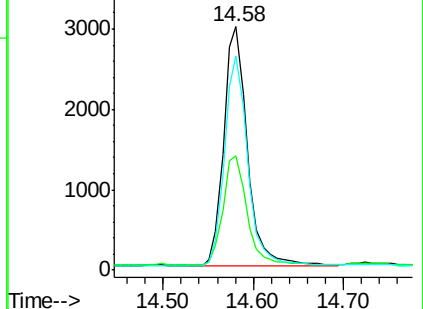
154 87.9 72.0 108.0

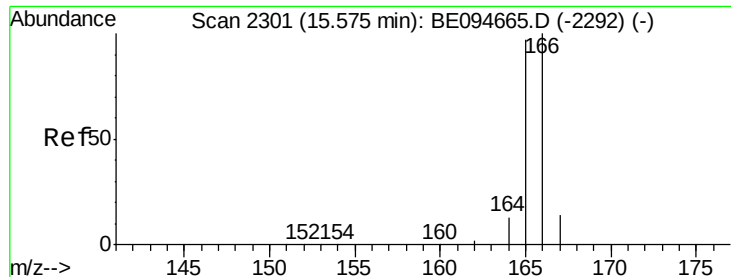


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

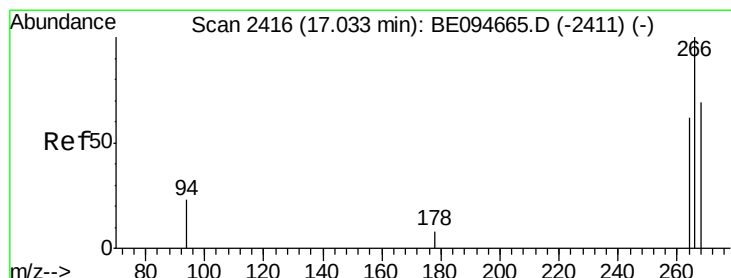
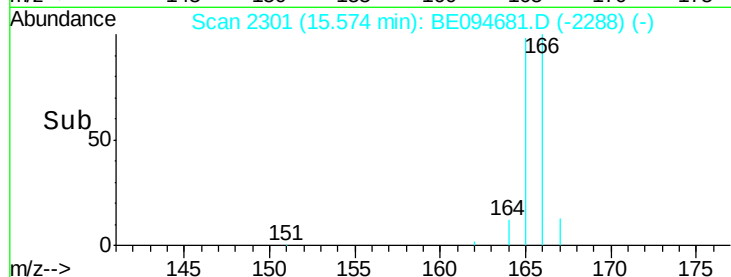
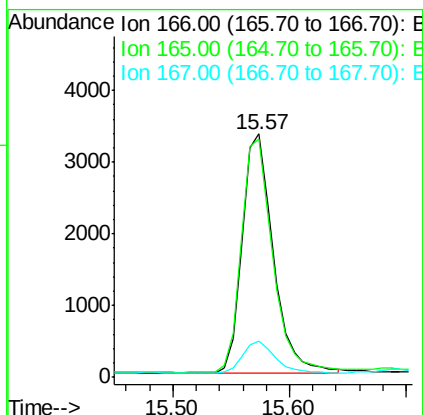
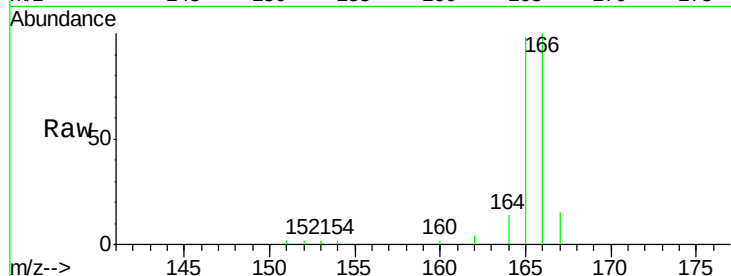




#9
Fluorene
 Concen: 0.40 ng/ul
 RT: 15.57 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: BE094681.D
 Acq: 1 Nov 2017 4:53

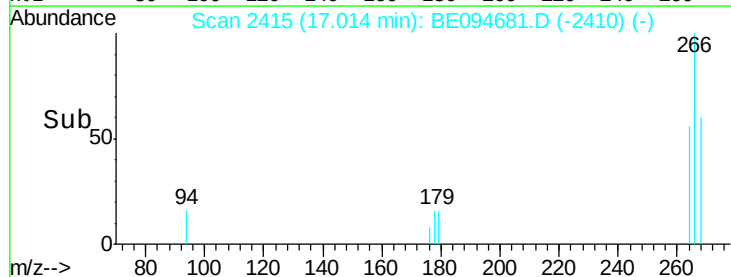
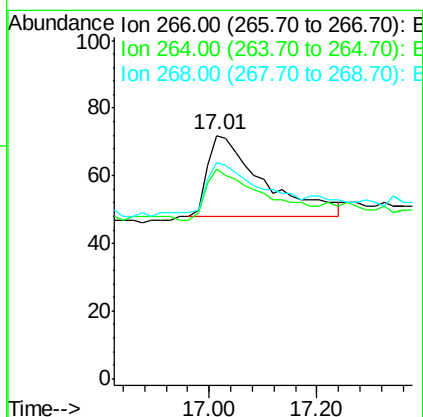
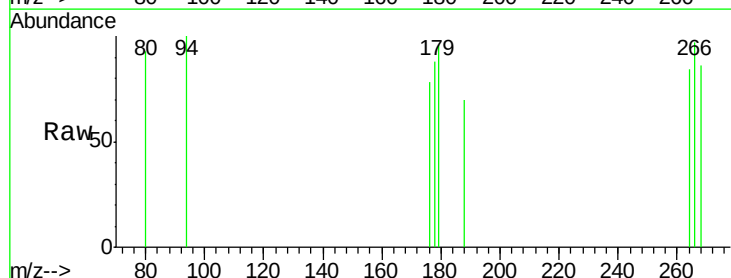
Instrument :
 BNA_E
 ClientSampleId :

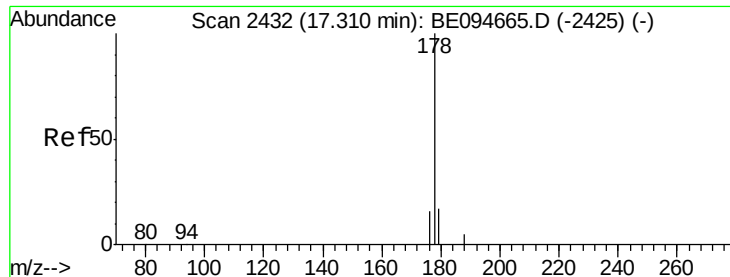
Tot Ion:166 Resp: 6148
 Ion Ratio Lower Upper
 166 100
 165 98.1 73.4 110.2
 167 15.1 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.38 ng/ul
 RT: 17.01 min Scan# 2415
 Delta R.T. -0.02 min
 Lab File: BE094681.D
 Acq: 1 Nov 2017 4:53

Tgt Ion:266 Resp: 171
 Ion Ratio Lower Upper
 266 100
 264 72.5 47.9 71.9#
 268 73.7 49.8 74.8





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

Instrument :

BNA_E

ClientSampleId :

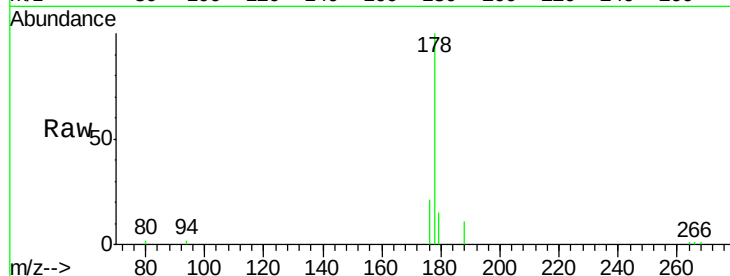
Tot Ion:178 Resp: 9858

Ion Ratio Lower Upper

178 100

179 14.8 18.4 27.6#

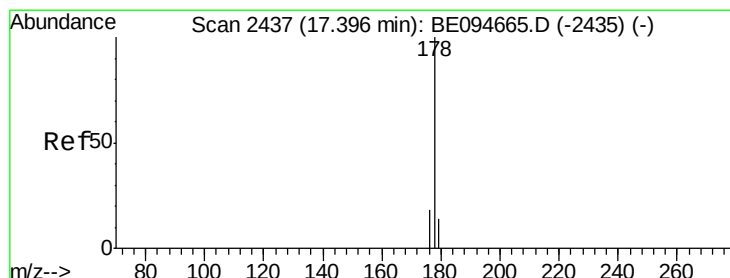
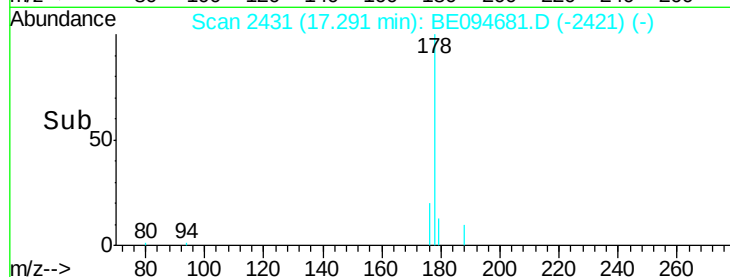
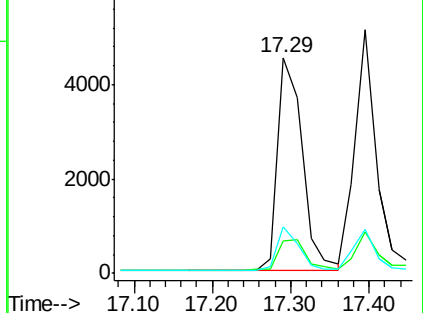
176 21.4 13.6 20.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.40 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

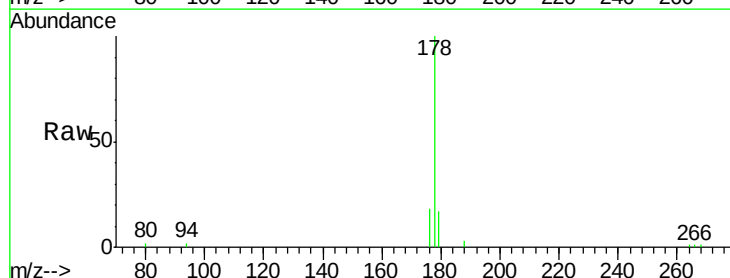
Tgt Ion:178 Resp: 9548

Ion Ratio Lower Upper

178 100

179 16.9 18.1 27.1#

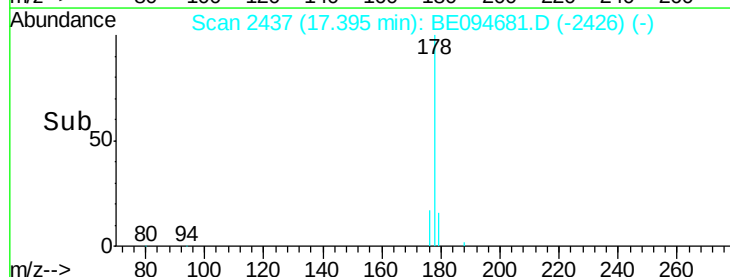
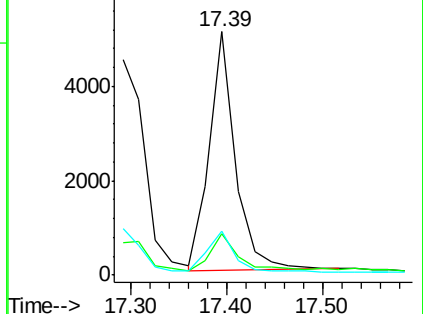
176 18.2 14.7 22.1

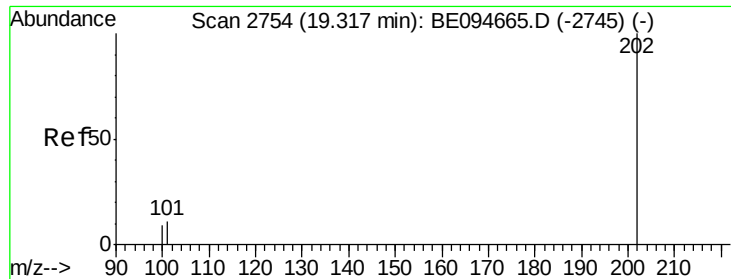


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

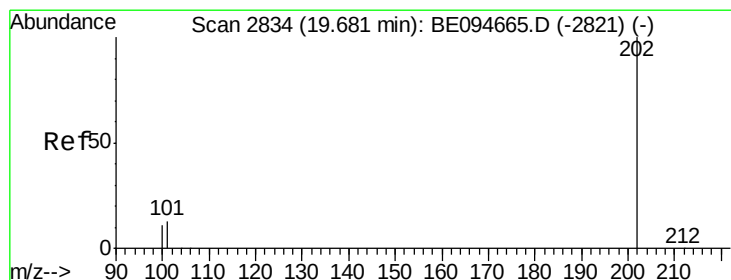
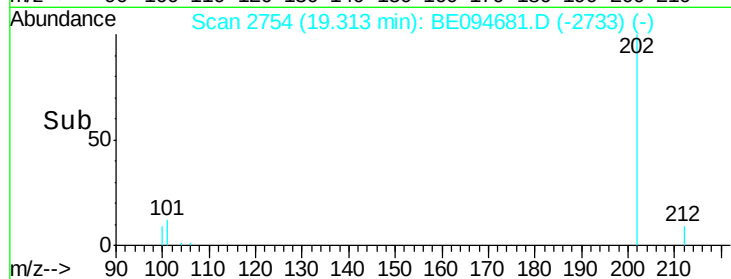
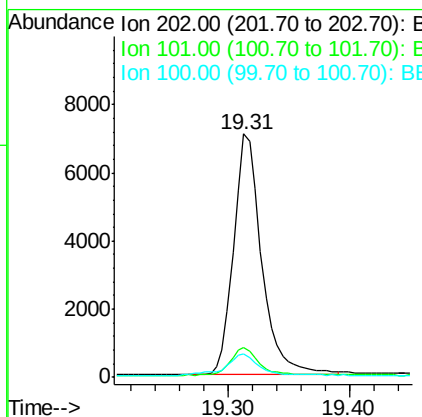
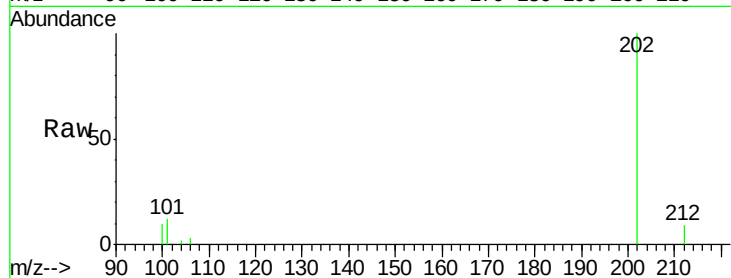




#15
Fluoranthene
 Concen: 0.41 ng/ul
 RT: 19.31 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BE094681.D
 Acq: 1 Nov 2017 4:53

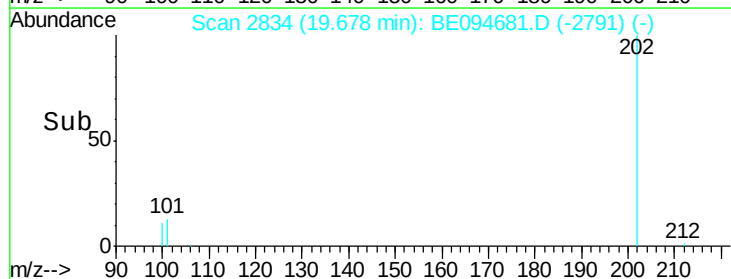
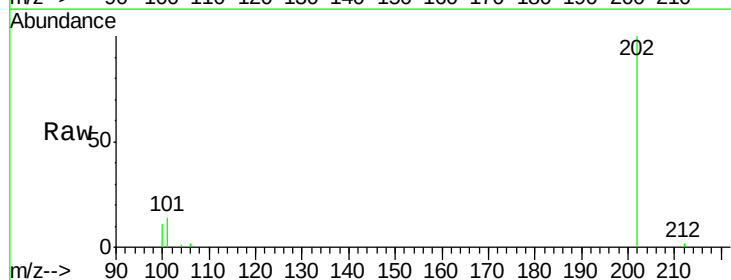
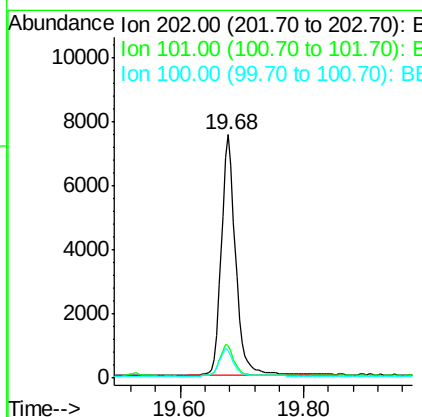
Instrument :
 BNA_E
 ClientSampleId :

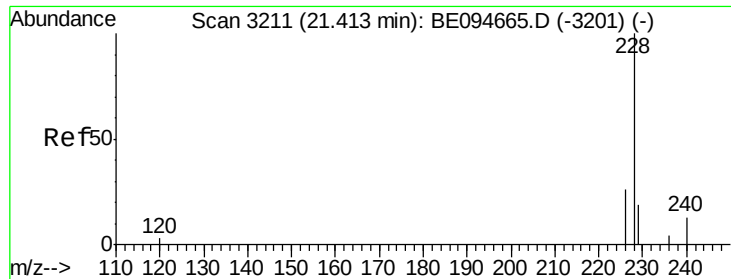
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	30.3
100	9.6	0.0	39.5



#17
Pyrene
 Concen: 0.42 ng/ul
 RT: 19.68 min Scan# 2834
 Delta R.T. -0.00 min
 Lab File: BE094681.D
 Acq: 1 Nov 2017 4:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	18.2	27.4#
100	11.4	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

Instrument :

BNA_E

ClientSampleId :

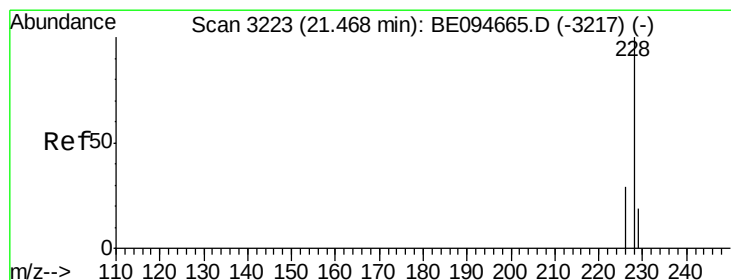
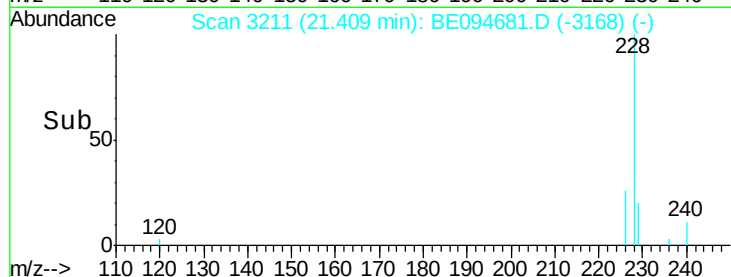
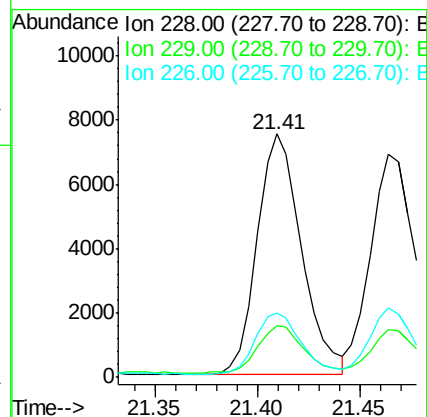
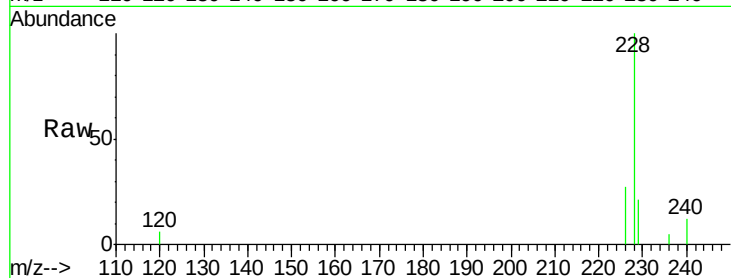
Tot Ion:228 Resp: 11206

Ion Ratio Lower Upper

228 100

229 21.3 22.8 34.2#

226 26.7 17.0 25.6#



#19

Chrysene

Concen: 0.39 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

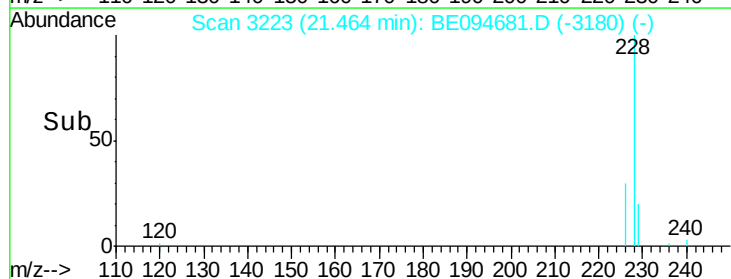
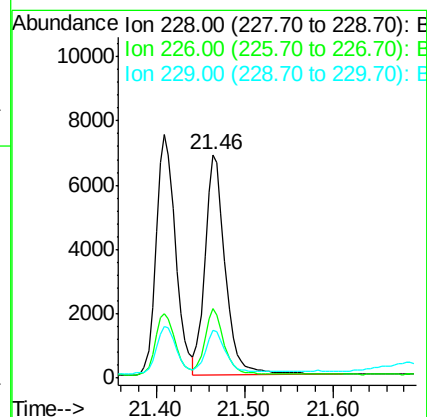
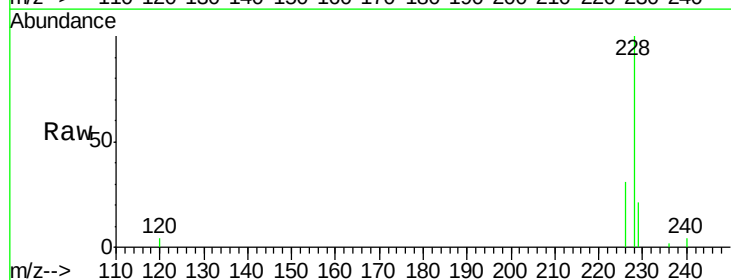
Tgt Ion:228 Resp: 10860

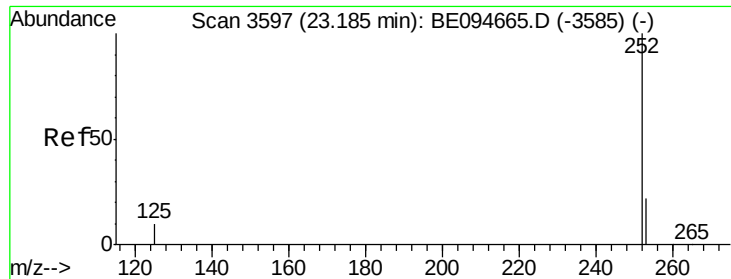
Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 21.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.41 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

Instrument :

BNA_E

ClientSampleId :

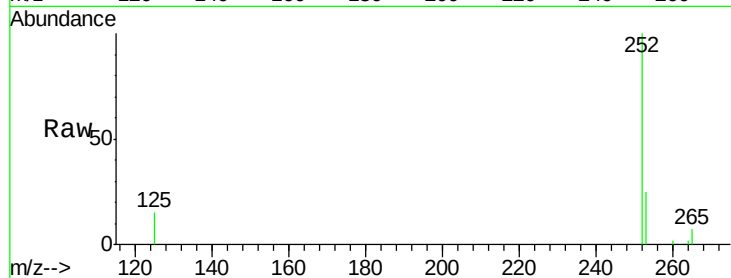
Tot Ion:252 Resp: 10305

Ion Ratio Lower Upper

252 100

253 25.3 0.0 64.2

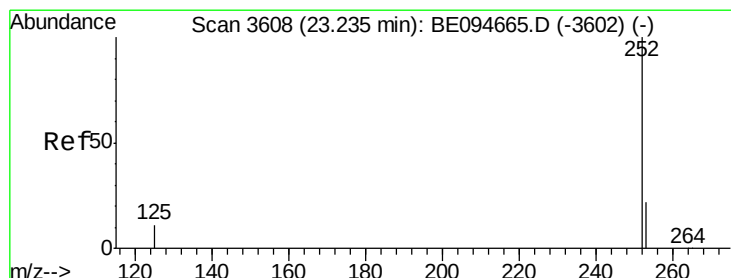
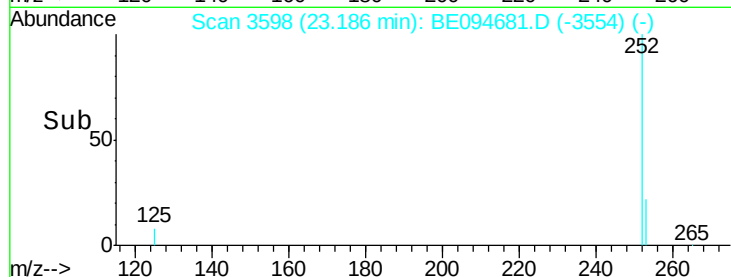
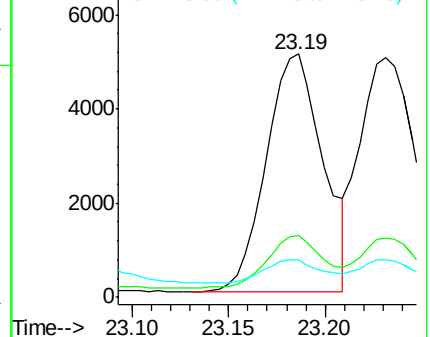
125 15.3 0.0 35.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 23.23 min Scan# 3608

Delta R.T. -0.00 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

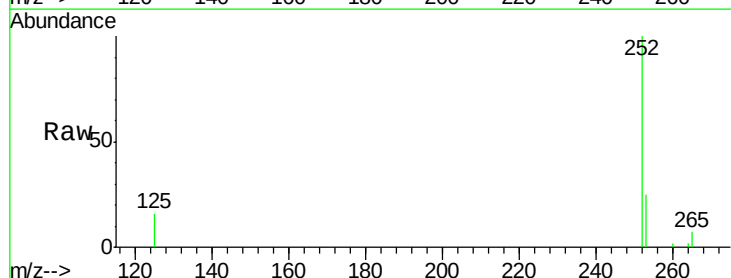
Tgt Ion:252 Resp: 10653

Ion Ratio Lower Upper

252 100

253 24.8 24.5 36.7

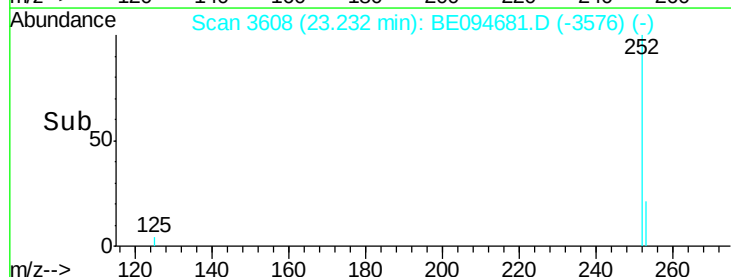
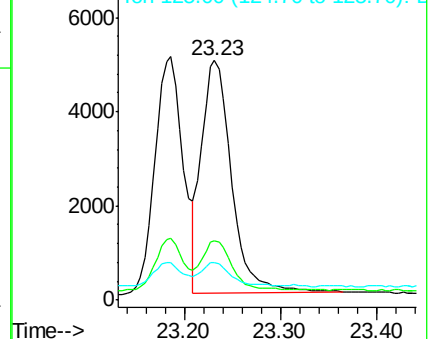
125 15.9 13.7 20.5

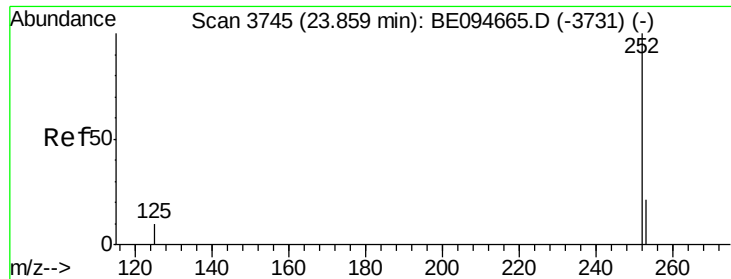


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. -0.00 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

Instrument :

BNA_E

ClientSampleId :

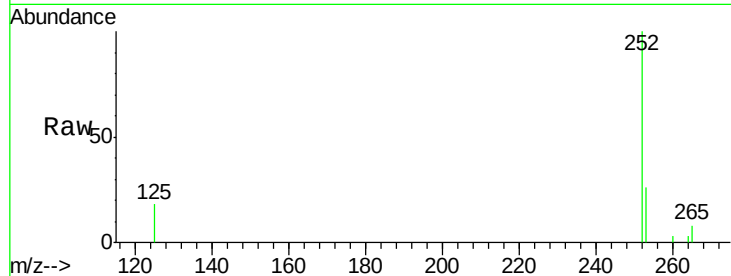
Tot Ion:252 Resp: 10146

Ion Ratio Lower Upper

252 100

253 25.9 28.5 42.7#

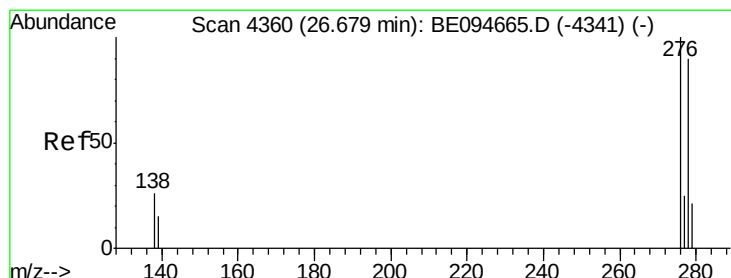
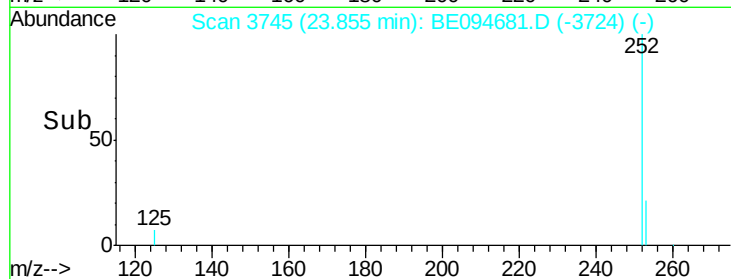
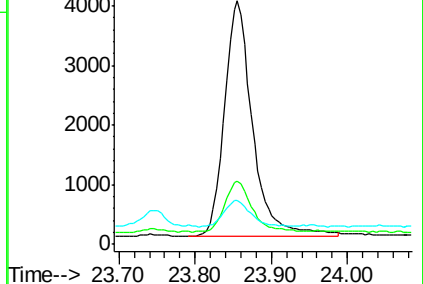
125 18.1 18.1 27.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.35 ng/ul

RT: 26.67 min Scan# 4360

Delta R.T. -0.01 min

Lab File: BE094681.D

Acq: 1 Nov 2017 4:53

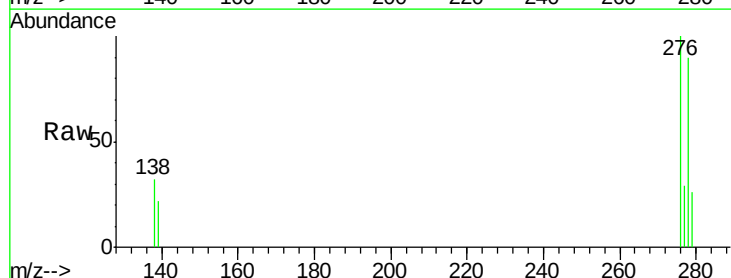
Tgt Ion:276 Resp: 9140

Ion Ratio Lower Upper

276 100

138 26.8 28.0 42.0#

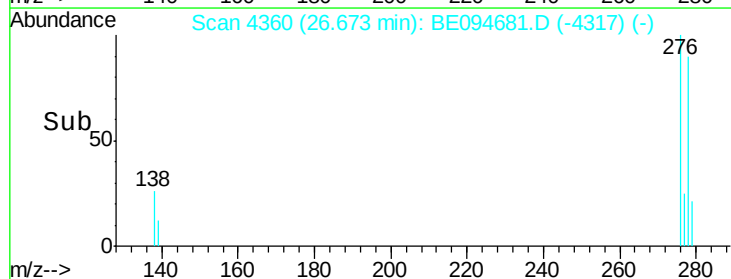
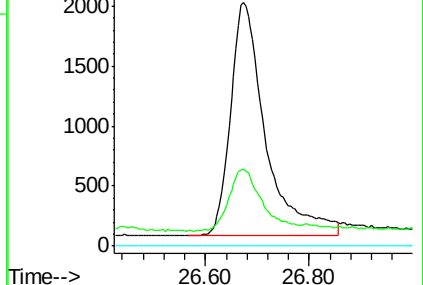
227 0.0 8.0 12.0#

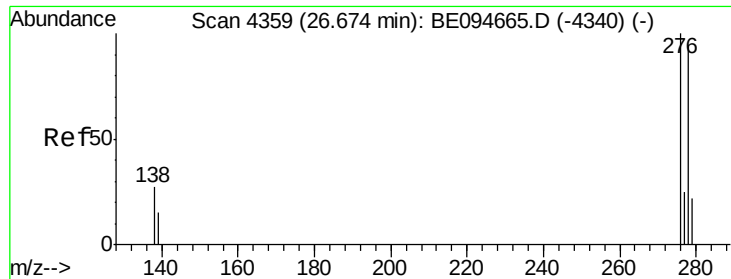


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



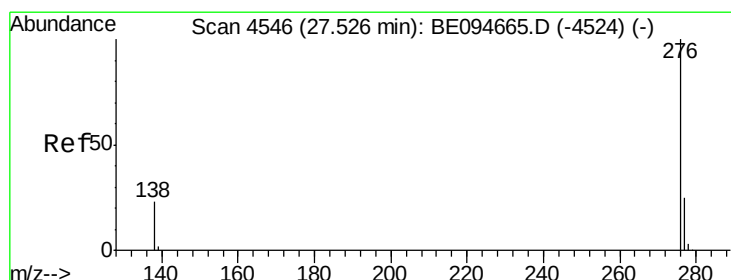
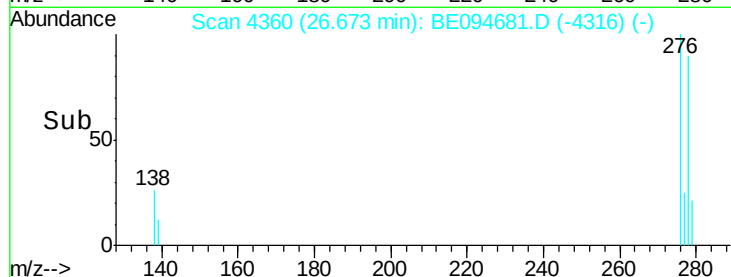
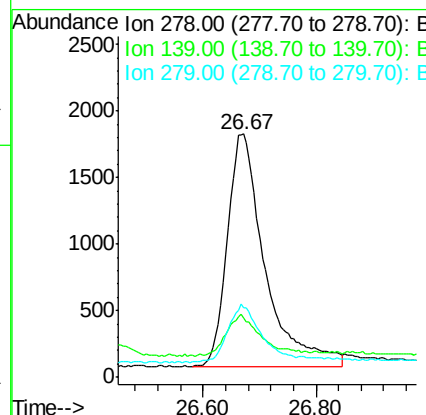
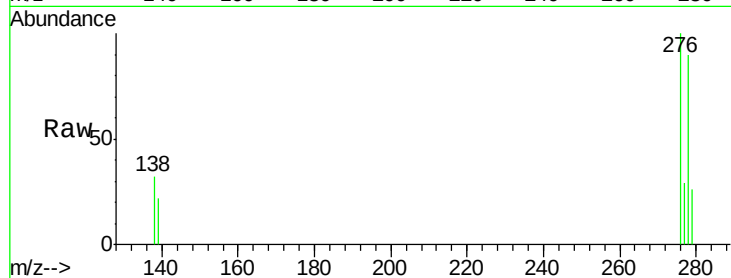


#25
Dibenzo(a,h)anthracene
Concen: 0.37 ng/ul
RT: 26.67 min Scan# 4360
Delta R.T. -0.00 min
Lab File: BE094681.D
Acq: 1 Nov 2017 4:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 7985

Ion	Ratio	Lower	Upper
278	100		
139	24.3	17.4	26.0
279	28.4	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.32 ng/ul
RT: 27.52 min Scan# 4547
Delta R.T. -0.00 min
Lab File: BE094681.D
Acq: 1 Nov 2017 4:53

Tgt Ion:276 Resp: 6702

Ion	Ratio	Lower	Upper
276	100		
138	30.1	21.8	32.8
277	29.4	20.5	30.7

